BUREAU OF PUBLIC WATER SUPPLY

CALENDAR YEAR 2011 CONSUMER CONFIDENCE REPORT CERTIFICATION FORM

	List PwS ID #s for all water Systems Covered by this CCR
confid	ederal Safe Drinking Water Act requires each <i>community</i> public water system to develop and distribute a consume ence report (CCR) to its customers each year. Depending on the population served by the public water system, this CC mailed to the customers, published in a newspaper of local circulation, or provided to the customers upon request.
Please	Answer the Following Questions Regarding the Consumer Confidence Report
	Customers were informed of availability of CCR by: (Attach copy of publication, water bill or other)
	Advertisement in local paper On water bills Other
	Date customers were informed: Ob 126/12
	CCR was distributed by mail or other direct delivery. Specify other direct delivery methods:
	Date Mailed/Distributed: / /
	CCR was published in local newspaper. (Attach copy of published CCR or proof of publication)
	Name of Newspaper: Simpson County News
	Date Published: Ole 14/12
	CCR was posted in public places. (Attach list of locations)
	Date Posted: Obi 14112
	CCR was posted on a publicly accessible internet site at the address: www
CERT	<u>IFICATION</u>
the for	y certify that a consumer confidence report (CCR) has been distributed to the customers of this public water system in and manner identified above. I further certify that the information included in this CCR is true and correct and is ent with the water quality monitoring data provided to the public water system officials by the Mississippi Statement of Health, Bureau of Public Water Supply.
Name	Title (President, Mayor, Owner, etc.) Date
w.	Mail Completed Form to: Bureau of Public Water Supply/P.O. Box 1700/Jackson, MS 39215 Phone: 601-576-7518

CCR 2011

Is my water safe?

We are pleased to present this year's Annual Water Quality Report (Consumer Confidence Report) as required by the Safe Drinking Water Act (SDWA). This report is designed to provide details about where your water comes from, what it contains, and how it compares to standards set by regulatory agencies. This report is a snapshot of last year's water quality. We are committed to providing you with information because informed customers are our best allies.

Do I need to take special precautions?

Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/Centers for Disease Control (CDC) guidelines on appropriate means to lessen the risk of infection by Cryptosporidium and other microbial contaminants are available from the Safe Water Drinking Hotline (800-426-4791).

Where does my water come from?

the water comes from the miocene aquifer from a single well.

Source water assessment and its availability

we have it on file at our office readily available to the customers upon request.

Why are there contaminants in my drinking water?

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the Environmental Protection Agency's (EPA) Safe Drinking Water Hotline (800-426-4791).

The sources of drinking water (both tap water and bottled water) include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels over the surface of the land or through the ground, it dissolves naturally occurring minerals and, in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity: microbial contaminants, such as viruses and bacteria, that may come from sewage treatment plants, septic systems, agricultural livestock operations, and wildlife; inorganic contaminants, such as salts and metals, which can be naturally occurring or result from urban stormwater runoff, industrial, or domestic wastewater discharges, oil and gas production, mining, or farming; pesticides and herbicides, which may come from a variety of sources such as agriculture, urban stormwater runoff, and residential uses; organic Chemical Contaminants,

including synthetic and volatile organic chemicals, which are by-products of industrial processes and petroleum production, and can also come from gas stations, urban stormwater runoff, and septic systems; and radioactive contaminants, which can be naturally occurring or be the result of oil and gas production and mining activities. In order to ensure that tap water is safe to drink, EPA prescribes regulations that limit the amount of certain contaminants in water provided by public water systems. Food and Drug Administration (FDA) regulations establish limits for contaminants in bottled water which must provide the same protection for public health.

How can I get involved?

contact our office at 601 382-2538

Description of Water Treatment Process

Your water is treated by disinfection. Disinfection involves the addition of chlorine or other disinfectant to kill dangerous bacteria and microorganisms that may be in the water. Disinfection is considered to be one of the major public health advances of the 20th century.

Water Conservation Tips

Did you know that the average U.S. household uses approximately 400 gallons of water per day or 100 gallons per person per day? Luckily, there are many low-cost and no-cost ways to conserve water. Small changes can make a big difference – try one today and soon it will become second nature.

- Take short showers a 5 minute shower uses 4 to 5 gallons of water compared to up to 50 gallons for a bath.
- Shut off water while brushing your teeth, washing your hair and shaving and save up to 500 gallons a month.
- Use a water-efficient showerhead. They're inexpensive, easy to install, and can save you up to 750 gallons a month.
- Run your clothes washer and dishwasher only when they are full. You can save up to 1,000 gallons a month.
- Water plants only when necessary.
- Fix leaky toilets and faucets. Faucet washers are inexpensive and take only a few minutes to replace. To check your toilet for a leak, place a few drops of food coloring in the tank and wait. If it seeps into the toilet bowl without flushing, you have a leak. Fixing it or replacing it with a new, more efficient model can save up to 1,000 gallons a month.
- Adjust sprinklers so only your lawn is watered. Apply water only as fast as the soil can absorb it and during the cooler parts of the day to reduce evaporation.
- Teach your kids about water conservation to ensure a future generation that uses water wisely. Make it a family effort to reduce next month's water bill!
- Visit <u>www.epa.gov/watersense</u> for more information.

Source Water Protection Tips

Protection of drinking water is everyone's responsibility. You can help protect your community's drinking water source in several ways:

- Eliminate excess use of lawn and garden fertilizers and pesticides they contain hazardous chemicals that can reach your drinking water source.
- Pick up after your pets.
- If you have your own septic system, properly maintain your system to reduce leaching to water sources or consider connecting to a public water system.
- Dispose of chemicals properly; take used motor oil to a recycling center.
- Volunteer in your community. Find a watershed or wellhead protection organization in your community and volunteer to help. If there are no active groups, consider starting one. Use EPA's Adopt Your Watershed to locate groups in your community, or visit the Watershed Information Network's How to Start a Watershed Team.
- Organize a storm drain stenciling project with your local government or water supplier. Stencil a message next to the street drain reminding people "Dump No Waste Drains to River" or "Protect Your Water." Produce and distribute a flyer for households to remind residents that storm drains dump directly into your local water body.

Additional Information for Lead

If present, elevated levels of lead can cause serious health problems, especially for pregnant women and young children. Lead in drinking water is primarily from materials and components associated with service lines and home plumbing. Black Creek Retreat is responsible for providing high quality drinking water, but cannot control the variety of materials used in plumbing components. When your water has been sitting for several hours, you can minimize the potential for lead exposure by flushing your tap for 30 seconds to 2 minutes before using water for drinking or cooking. If you are concerned about lead in your water, you may wish to have your water tested. Information on lead in drinking water, testing methods, and steps you can take to minimize exposure is available from the Safe Drinking Water Hotline or at http://www.epa.gov/safewater/lead.

Water Quality Data Table

In order to ensure that tap water is safe to drink, EPA prescribes regulations which limit the amount of contaminants in water provided by public water systems. The table below lists all of the drinking water contaminants that we detected during the calendar year of this report. Although many more contaminants were tested, only those substances listed below were found in your water. All sources of drinking water contain some naturally occurring contaminants. At low levels, these substances are generally not harmful in our drinking water. Removing all contaminants would be extremely expensive, and in most cases, would not provide increased protection of public health. A few naturally occurring minerals may actually improve the taste of drinking water and have nutritional value at low levels. Unless otherwise noted, the data presented in this table is from testing done in the calendar year of the report. The EPA or the State requires us to monitor for certain contaminants less than once per year because the concentrations of these contaminants do not vary significantly from year to year, or the system is not considered vulnerable to this type of contamination. As such, some of our data, though representative, may be more than one year old. In this table you will find terms and abbreviations that might not be familiar to you. To help you better understand these terms, we have provided the definitions below the table.

	MCLG	MCL,						
	or	TT, or	Your	Ra	nge	Sample		
Contaminants	MRDLG	<u>MRDL</u>	<u>Water</u>	Low	<u>High</u>	<u>Date</u>	<u>Violation</u>	Typical Source
Disinfectants & Disin	nfectant By	-Produc	ts		er er er			<u> San Jegga i Sanda Sanda kana ka</u>
(There is convincing e	vidence tha	t addition	of a disi	nfecta	nt is ne	cessary fo	r control of 1	nicrobial contaminants)
Haloacetic Acids (HAA5) (ppb)	NA	60	6	NA		2011	No	By-product of drinking water chlorination
Chlorine (as Cl2) (ppm)	4	4	1.1	1.1	1.3	2011	No	Water additive used to control microbes
TTHMs [Total Trihalomethanes] (ppb)	NA	80	1.06	NA		2011	No	By-product of drinking water disinfection
Inorganic Contamin	ants							2000
Barium (ppm)	2	2	0.0263	NA		2011	No	Discharge of drilling wastes; Discharge from metal refineries; Erosion of natural deposits
Fluoride (ppm)	4	4	0.142	NA		2011	No	Erosion of natural deposits; Water additive which promotes strong teeth; Discharge from fertilizer and aluminum factories
Nitrate [measured as Nitrogen] (ppm)	10	10	0.17	NA		2011	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Nitrite [measured as Nitrogen] (ppm)	1	1	0.02	NA		2011	No	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits
Antimony (ppb)	6	6	0.0005	NA		2011	No	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder; test addition.
Arsenic (ppb)	0	10	0.5	NA		2011	No	Erosion of natural deposits; Runoff from orchards; Runoff from glass and electronics production wastes
Beryllium (ppb)	4	4	0.0005	NA		2011	No	Discharge from metal refineries and coal-burning factories; Discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	5	5	0.0005	NA		2011	No	Corrosion of galvanized pipes; Erosion of natural deposits; Discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	100	100	0.0005	NA		2011	No	Discharge from steel and pulp mills; Erosion of natural deposits

Cyanide [as Free Cn] (ppb)	200	200	0.015	NA	2011	No	Discharge from plastic and fertilizer factories; Discharge from steel/metal factories
Mercury [Inorganic] (ppb)	2	2	0.0005	NA	2011	No	Erosion of natural deposits; Discharge from refineries and factories; Runoff from landfills; Runoff from cropland
Selenium (ppb)	50	50	0.0025	NA	2011	No	Discharge from petroleum and metal refineries; Erosion of natural deposits; Discharge from mines
Thallium (ppb)	0.5	2	0.0005	NA	2011	No	Discharge from electronics, glass, and Leaching from ore-processing sites; drug factories
Volatile Organic Con	taminants	3			tille til en i lette	**	
Toluene (ppm)	1	1	0.5	NA	2011	No	Discharge from petroleum factories
Xylenes (ppm)	10	10	0.5	NA	2011	No	Discharge from petroleum factories; Discharge from chemical factories
Benzene (ppb)	0	5	0.5	NA	2011	No	Discharge from factories; Leaching from gas storage tanks and landfills
Carbon Tetrachloride (ppb)	0	5	0.5	NA	2011	No	Discharge from chemical plants and other industrial activities
Chlorobenzene (monochlorobenzene) (ppb)	100	100	0.5	NA	2011	No	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	600	600	0.5	NA	2011	No	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	75	75	0.5	NA	2011	No	Discharge from industrial chemical factories
1,2-Dichloroethane (ppb)	0	5	0.5	NA	2011	No	Discharge from industrial chemical factories
1,1-Dichloroethylene (ppb)	7	7	0.5	NA	2011	No	Discharge from industrial chemical factories
cis-1,2- Dichloroethylene (ppb)	70	70	0.5	NA	2011	No	Discharge from industrial chemical factories
trans-1,2- Dichloroethylene (ppb)	100	100	0.5	NA	2011	No	Discharge from industrial chemical factories
Dichloromethane (ppb)	0	5	0.5	NA	2011	No	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	0	5	0.5	NA	2011	No	Discharge from industrial chemical factories

Styrene (ppb)	100	100	0.5	NA		2011		No	plas	charge from rubber and stic factories; Leaching n landfills
Tetrachloroethylene (ppb)	0	5	0.5	NA		2011				charge from factories and cleaners
1,2,4- Trichlorobenzene (ppb)	70	70	0.5	NA		2011	-			charge from textile- shing factories
1,1,1-Trichloroethane (ppb)	200	200	0.5	NA		2011		No	Discharge from metal degreasing sites and other factories	
1,1,2-Trichloroethane (ppb)	3	5	0.5	NA		2011	Ī		Discharge from industrial chemical factories	
Trichloroethylene (ppb)	0	5	0.5	NA		2011		No	Discharge from metal degreasing sites and other factories	
Vinyl Chloride (ppb)	0	2	0.5	NA		2011]	No]		sching from PVC piping; charge from plastics tories
			Your	Samp	le	# Sample:	s	Exceed	ds	
<u>Contaminants</u>	MCLG	<u>AL</u>	<u>Water</u>	<u>Date</u>		Exceeding A	<u>\L</u>	<u>AL</u>		Typical Source
Inorganic Contamina	ants									
Lead - action level at consumer taps (ppb)	0	15	0.015	2011		0	N			Corrosion of household plumbing systems; Erosion of natural deposits

Unit Descriptions							
Term	Definition						
ppm	ppm: parts per million, or milligrams per liter (mg/L)						
ppb	ppb: parts per billion, or micrograms per liter (μg/L)						
NA	NA: not applicable						
ND	ND: Not detected						
NR	NR: Monitoring not required, but recommended.						

Important Drinking Water Definitions	antana mangalah kacamatan menganya kenadah dianggan berandarah berandarah berandarah berandarah berandarah ber				
Term	Definition				
MCLG	MCLG: Maximum Contaminant Level Goal: The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs allow for a margin of safety.				
MCL	MCL: Maximum Contaminant Level: The highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.				
TT	TT: Treatment Technique: A required process intended to reduce the level of a contaminant in drinking water.				
AL	AL: Action Level: The concentration of a contaminant which, if exceeded, triggers treatment or other requirements which a water system must follow.				
Variances and Exemptions	Variances and Exemptions: State or EPA permission not to meet an MCL or a treatment technique under certain conditions.				

MRDLG	MRDLG: Maximum residual disinfection level goal. The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.				
MRDL	MRDL: Maximum residual disinfectant level. The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants.				
MNR	MNR: Monitored Not Regulated				
MPL	MPL: State Assigned Maximum Permissible Level				

For more information please contact:

Contact Name: Steve Womack

Address: Po. box 643

Mendenhall, MS 39114 Phone: (601) 382-2538 Fax: (601) 847-1879

E-Mail: stevewomack888@gmail.com

In accordance with the Radionuclides Rule, all community public water supplies were required to sample quarterly for radionuclides beginning January 2007 - December 2007. Your public water supply completed sampling by the scheduled deadline; however, during an audit of the Mississippi State Department of Health Radiological Health Laboratory, the Environmental Protection Agency (EPA) suspended analyses and reporting of radiological compliance samples and results until further notice. Although this was not the result of inaction by the public water supply, MSDH was required to issue a violation. This is to notify you that as of this date, your water system has not completed the monitoring requirements. The Bureau of Public Water Supply has taken action to ensure that your water system be returned to compliance by March 31, 2013. If you have any questions, please contact Melissa Parker, Deputy Director, Bureau of Public Water Supply, at 601.576.7518.

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2011 Annual Drinking Water Quality Report City of Mendenhall PWS#: 0640007 May 2012

We're pleased to present to you this year's Annual Quality Water Report. This report is designed to inform you about the quality water and services we deliver to you every day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water Annufer.

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day. Our constant goal is to provide you with a safe and dependable supply of drinking water. We want you to understand the efforts we make to continually improve the water treatment contents and protect our water resources. We are committed to ensuring the quality of your water. Our water source is from wells drawing from the Catahoula Stratus Aquifor.

The source water assessment has been completed for our public water system to determine the overall susceptibility of the draking water supply to identified potential sources are contained to the containmant on. The general susceptibility making assigned to each well of this system are provided immediate. The wells for the City of Mendenball have susceptibility determinations were made has been furnished to our public water system and is available for viewing upon request. The wells for the City of Mendenball have a certain a lower susceptibility ranking to contamination.

If you have any questions about this report or concerning your water quality, please contact Kadiby Brine at 601.847.1212. We want our valued customers to be informed about the report of constituents in your drinking water eventually and the production of the constituents in your drinking water containmants was the water of an area of a must be reported of January 1st to December 1sts, 2011. In cases where emotitoring was 15th part of the City of Mendenball have of the continual production of the production of January 1st to December 1sts, 2011. In cases where emotitoring was 15th part of the continual production of an area of a must be reported of January 1st to December 1sts, 2011. In cases where emotitoring was 15th part of the continual production of an area of a must be reported and the production of an area of a must be reported to the detection of a must be reported of January 1st to December 1sts, 2011. In cases where an office of an area of a must be reported of a must be producted and the supplies of a must be producted. The production of a must be reported to the supplies of a must

Contaminant	Viola		Lev	TEST R	ESULTS				
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norganic	Conta	minants							
0. Barium	N	2011	.024	No Range		1			
3. Chromium	- N	2011			ppm	2	2	Discharge of drilling wastes; discharge from metal refineries;	
. Copper	- N	2009/11	1.2	No Range	dqq	100	100	- Trainfal deposits	
		2003/11	.1	0	ppm	1.3	AL=1.3	Discharge from steel and pulp mills; erosion of natural deposits	
Fluoride**	N	2011	.152	-				Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood	
				No Range	ppm	4	4	Erosion of paterns of	
Lead	N	2009/11	2	10			- 1	teeth: discharge frametes strong	
Vitrate (as gen)	N	2011	10		ppb	0	AL=15	Corrosion of house but in	
genj				1 .16	No Range	ppm	10		systems, erosion of natural deposits Runoff from fertilizer use;
infootion							s	eaching from septic tanks, sewage; erosion of natural leposits	
infection	By-Pro							-k-09163	
recent sample.		1.2		0 - 1.47 ppm	, ,	MDRL	= 4 Water	additive used to control	

reast recent sumpre, two sumpre requires for 2011. Fluoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.8-1.2 mg/l.

Most recent sample. No sample required for 2011.

**Phoride level is routinely adjusted to the MS State Dept of Health's recommended level of 0.8-1.2 mg/l.

**All though our monitoring and testing that some constituents have been detected however the EPA has determined they your water IS SAFE at these levels.

**Seven the required to monitoring under testing that some constituents on a monthly basis. Results of regular monitoring are undicator of whether or not our drinking water for specific constituents on a monthly basis. Results of regular monitoring are undicator of whether or not our drinking meets health standards. We did relieve to require the monitoring requirements, MSDH now notifies systems of an interest part of the control of the compliance period.

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